

This is the monthly newsletter of the LANL Engineering Standards Program. The Standards are mandatory documents that define the minimum design criteria, fabrication, and installation practices to ensure that the design, repair, and alteration of LANL facilities, and the programmatic equipment within them. [\[IMP 342\]](#)

Happy New Year! Topics this month:

- **New IMP and ISDs for Engineering Standards**
- **Spec Renumbering Update**
- **Drafts for Labwide Review**
- **Standards Courses at LANL**
- **Standards Issued in December**

The Standards Homepage: <http://engstandards.lanl.gov/>

NEW IMP AND ISDs FOR ENGINEERING STANDARDS

On December 16, the LIR that established the LANL Engineering Standards Program was superseded by IMP 342 (available [here](#)). While the old LIR invoked three OSTs, the new Implementation Procedure (IMP) establishes four Institutional Support Documents (ISDs):
ISD 342-1, LANL Engineering Standards Manual
ISD 342-2, LANL Master Specifications
ISD 342-3, LANL Standard Drawings & Details
ISD 342-4, LANL Drafting Standards Manual

The content of these ISD has existed for many years on the Standards Homepage, and continues to be accessible there. The individual documents that constitute these ISDs will be updated to reflect the ISD number in the future.

Perhaps most notable, the title "Construction Specs" was changed to Master Specs to indicate their applicability to maintenance and modifications of all scope, not only new construction as might have been inferred from "construction." Also, the Standard Drawings and Details set was officially separated from the ESM.

SPEC RENUMBERING UPDATE

As noted last month, LANL is changing its Master Spec sections to a 50 division, 6-8 digit numbering scheme along with industry. The new specs/numbers should be used for new project starts once the new sections are renumbered and posted (expected this month). Updated crosswalks from old to new numbers/titles and back have been posted to the specs [webpage](#).

New spec number typing tip: When typing a 2-segment spec number like 03 3001 in a Word paragraph that can wrap, lock the segments together by inserting a "hard space" between segments instead of a normal one by keyboarding a shift+ctrl+space.

DRAFTS FOR LABWIDE REVIEW

A draft revision of ESM Chapter 7 Electrical Section D5030, Communications, is available on the [homepage](#) via the bold [Drafts in Review](#) link near the lower right. Comments are due to David Powell, the POC, on January 19, and the comment form is on the Drafts webpage.

Summary of changes: Added telecommunications requirements for conference rooms, copy rooms and parking structures; updated requirements for protected transmission systems; updated requirements for administrative access control and security systems (when Chapter 9 – Security is published, those requirements will supersede); updated references.

STANDARDS COURSES AT LANL

A compendium of the LANL training classes that relate to engineering standards has been added to the Standards Homepage near the lower right just under the bold "Drafts in Review" link.

Direct link: http://engstandards.lanl.gov/trn_courses.htm

STANDARDS ISSUED IN DECEMBER

Eng Standards Manual -- Chapter 13, Welding

[Volume 3, Welding Procedure Specifications:](#)

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Previous issues of this Update are available via the "Monthly Update" link near the right of the Standards homepage <http://engstandards.lanl.gov/> oruch@lanl.gov <http://engstandards.lanl.gov/>